Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Original) A membrane electrode assembly for an electrochemical fuel cell comprising: two fluid diffusion layers; an ion-exchange membrane interposed between the fluid diffusion layers; an electrocatalyst layer disposed at the interface between the ion-exchange membrane and each of the fluid diffusion layers; a fluid impermeable integral seal impregnated into the fluid diffusion layers in sealing regions thereof; and a barrier film interposed between the ion-exchange membrane and the fluid impermeable integral seals along at least a portion of the sealing region of at least one of the fluid diffusion layers wherein the barrier film is more chemically stable to acid hydrolysis than the integral seal.
- (Withdrawn) The membrane electrode assembly of claim 1 wherein the barrier film is between the electrocatalyst layer and the fluid diffusion layer.
- (Withdrawn) The membrane electrode assembly of claim 1 wherein the barrier film is between the ion-exchange membrane and the electrocatalyst layer.
- (Original) The membrane electrode assembly of claim 1 wherein the barrier film is impregnated into the fluid diffusion layer.
- (Original) The membrane electrode assembly of claim 1 wherein the fluid impermeable integral seal comprises silicone.
- (Original) The membrane electrode assembly of claim 5 wherein the barrier film is a thermoplastic or a thermoset.

- (Original) The membrane electrode assembly of claim 5 wherein the barrier film is polyvinylidene fluoride, polypropylene, polyethylene, polyolefins, PTFE, polyaryl ethers, PEEK, polysulfone, polyimide, epoxy, polyurethane, nitrile, butyl, or TPEs.
- (Original) The membrane electrode assembly of claim 1 wherein the barrier film is a thermoplastic or a thermoset.
- (Original) The membrane electrode assembly of claim 1 wherein the barrier film is polyvinylidene fluoride, polypropylene, polyethylene, polyolefins, PTFE, polyaryl ethers, PEEK, polysulfone, polyimide, epoxy, polyurethane, nitrile, butyl, or TPEs.
- (Original) The membrane electrode assembly of claim 1 wherein the at least one of the fluid diffusion layers is the cathode fluid diffusion layer.
- (Original) The membrane electrode assembly of claim 1 wherein the at least one of the fluid diffusion layers is both the anode and cathode fluid diffusion layers.
- (Original) The membrane electrode assembly of claim 1 wherein the sealing regions circumscribe a central, electrochemically active area.
- (Original) The membrane electrode assembly of claim 12 wherein the barrier film circumscribes the central, electrochemically active area.
- 14. (Original) The membrane electrode assembly of claim 1 wherein the fluid impermeable integral seal extends laterally beyond the ion-exchange membrane and the fluid diffusion layers to thereby envelope a peripheral region of both of the fluid diffusion layers and the ion-exchange membrane.

15.-34 (Canceled)